

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082119\
 Data File : VU033893.D
 Acq On : 21 Aug 2019 23:42
 Operator : JC/SP
 Sample : K4454-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B90

Quant Time: Aug 22 08:24:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 22 07:18:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	389705	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	403289	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	167519	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	147197	41.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.96%
7) Chloroethane-d5	1.67	69	134344	40.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.94%
11) 1,1-Dichloroethene-d2	2.25	63	196455	33.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.06%
21) 2-Butanone-d5	4.15	46	218828	119.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.01%
24) Chloroform-d	4.62	84	252163	44.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.36%
26) 1,2-Dichloroethane-d4	5.29	65	171313	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.06%
32) Benzene-d6	5.32	84	499363	44.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.88%
36) 1,2-Dichloropropane-d6	6.31	67	170605	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.16%
41) Toluene-d8	7.55	98	427084	40.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.80%
43) trans-1,3-Dichloropropene-	7.83	79	67944	39.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.56%
47) 2-Hexanone-d5	8.29	63	146705	108.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.75%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	255103	50.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.78%
64) 1,2-Dichlorobenzene-d4	11.84	152	166916	49.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.98%

Target Compounds

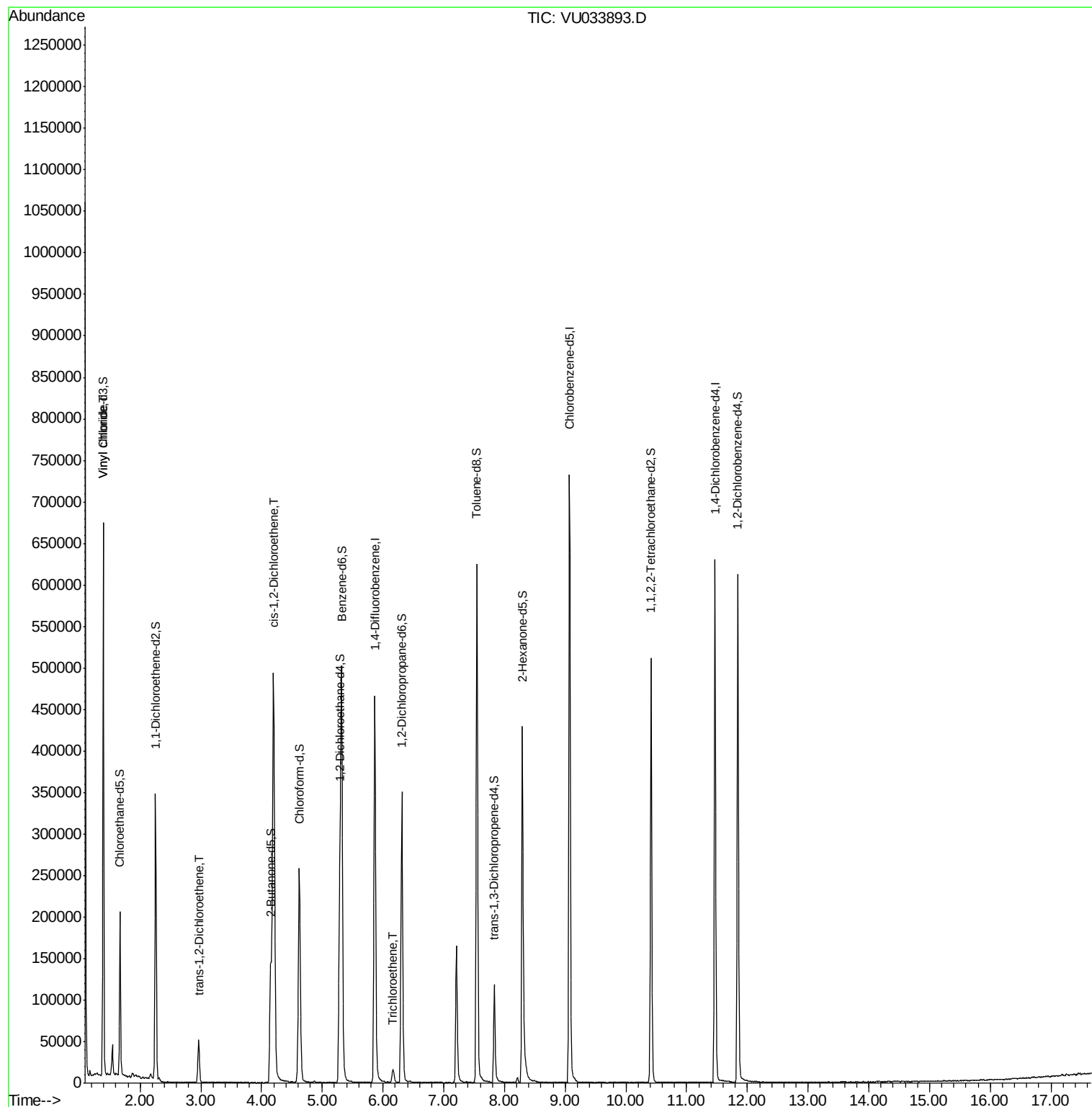
					Ovalue
5) Vinyl chloride	1.39	62	290358	66.335 ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	20336	7.243 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	269137	88.614 ug/L	95
34) Trichloroethene	6.17	95	3828	1.177 ug/L	94

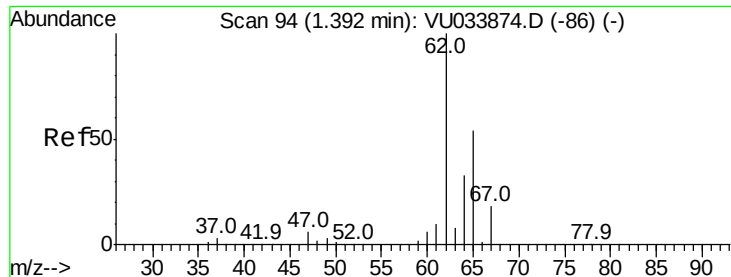
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 66.335 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

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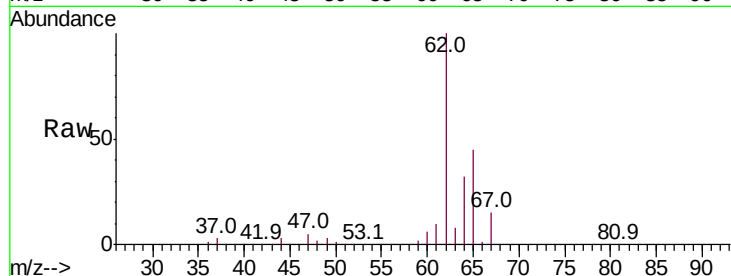
F2B90

Tot Ion: 62 Resp: 290358

Ion Ratio Lower Upper

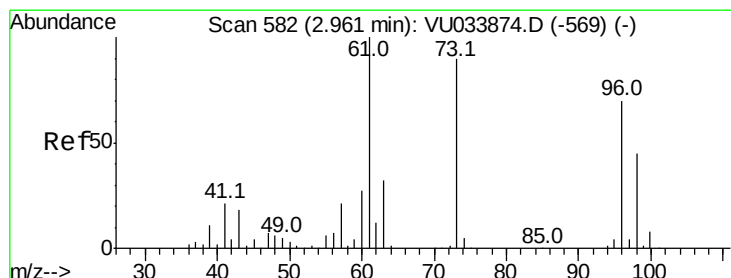
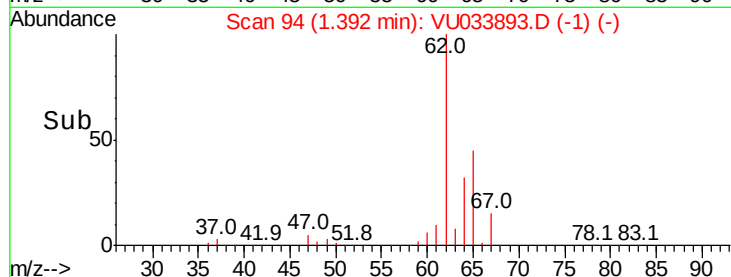
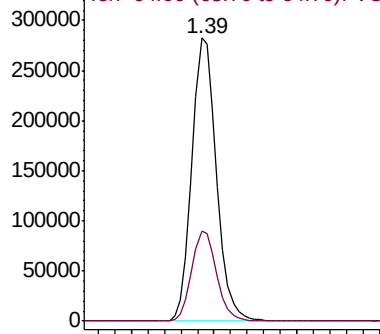
62 100

64 31.9 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#17

trans-1,2-Dichloroethene

Concen: 7.243 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033893.D

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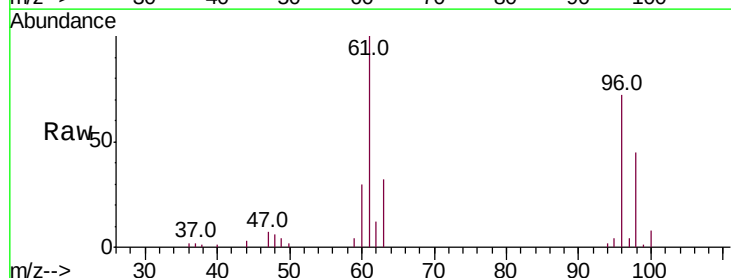
Tgt Ion: 96 Resp: 20336

Ion Ratio Lower Upper

96 100

61 138.1 98.6 183.2

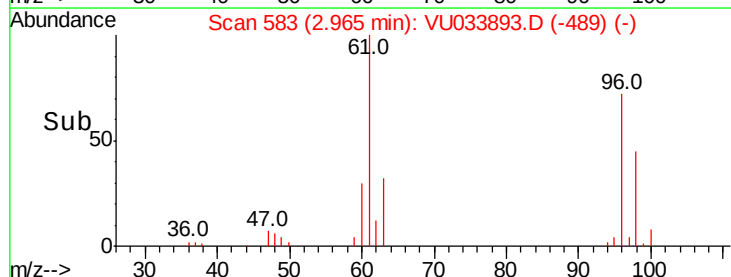
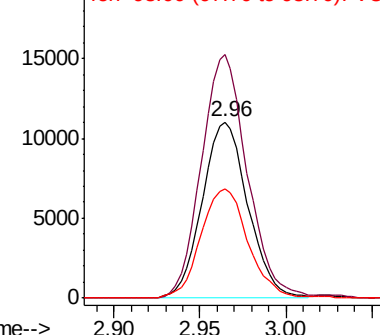
98 61.6 43.8 81.3

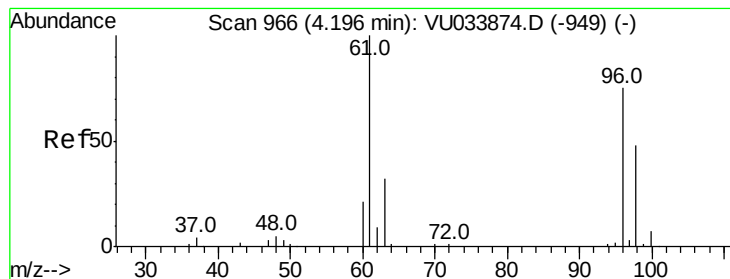


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 88.614 ug/L

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

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F2B90

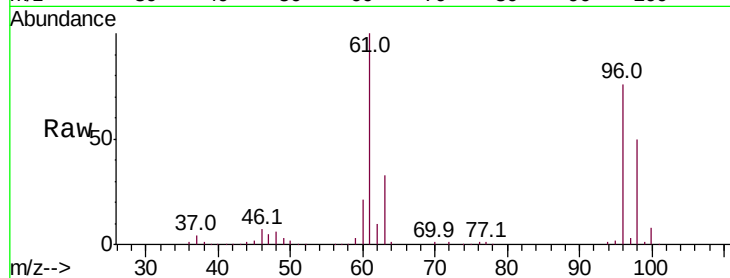
Tot Ion: 96 Resp: 269137

Ion Ratio Lower Upper

96 100

61 131.2 88.2 163.8

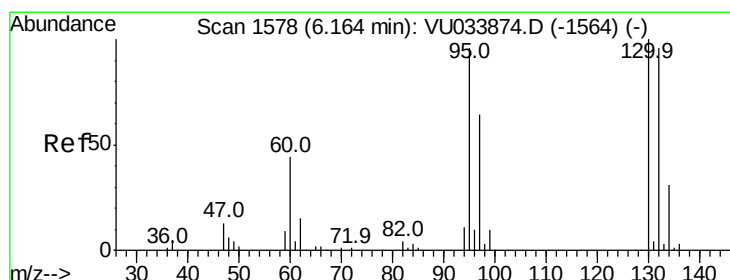
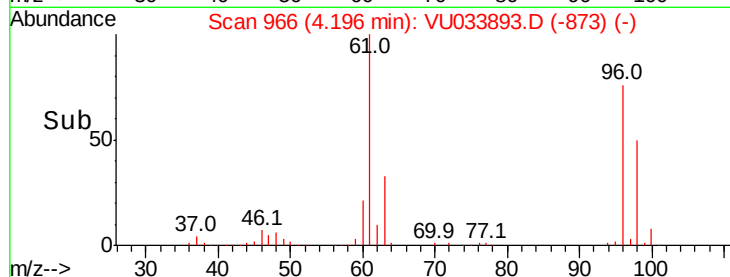
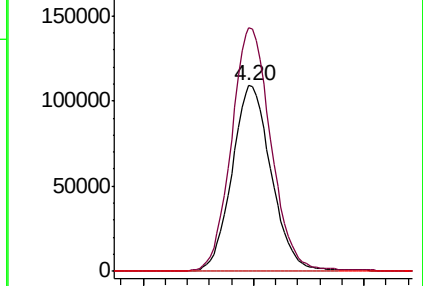
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033874.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU033874.D (-949) (-)

Ion 68.00 (67.70 to 68.70): VU033874.D (-949) (-)



#34

Trichloroethene

Concen: 1.177 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033893.D

Acq: 21 Aug 2019 23:42

Tgt Ion: 95 Resp: 3828

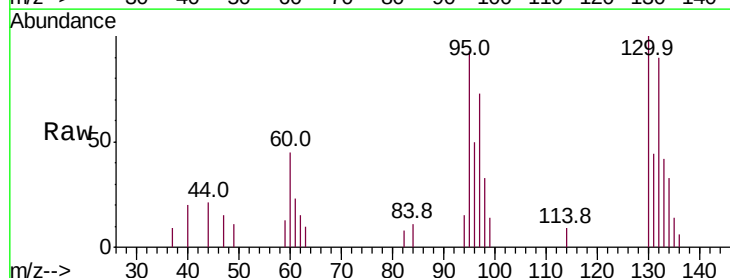
Ion Ratio Lower Upper

95 100

97 78.1 46.3 86.1

132 97.0 67.9 126.1

130 107.7 72.0 133.6



Abundance Ion 95.00 (94.70 to 95.70): VU033874.D (-1564) (-)

Ion 97.00 (96.70 to 97.70): VU033874.D (-1564) (-)

Ion 132.00 (131.70 to 132.70): VU033874.D (-1564) (-)

Ion 130.00 (129.70 to 130.70): VU033874.D (-1564) (-)

